



#7

Patent Docket P1219P3

Sequence Listing

<110> Adams, Sean
Goddard, Audrey
Gurney, Austin L
Stewart, Timothy A.
Tomlinson, Elizabeth
Yu, Xing Xian

<120> FIBROBLAST GROWTH FACTOR-19 (FGF-19) NUCLEIC ACIDS AND
POLYPEPTIDES AND METHODS FOR THE TREATMENT OF OBESITY
AND RELATED DISORDERS

<130> P1219P3

<140> US 09/924,647
<141> 2001-08-07

<150> US 60/066,840
<151> 1997-11-25

<150> US 09/767,609
<151> 2001-01-22

<150> US 09/158,342
<151> 1998-09-21

<150> PCT/US98/25190
<151> 1998-11-25

<150> US 09/522,342
<151> 2000-03-09

<150> US 09/284,663
<151> 1999-04-15

<150> PCT/US99/20594
<151> 1999-09-08

<150> PCT/US99/21090
<151> 1999-09-15

<150> PCT/US99/30999
<151> 1999-12-20

<150> PCT/US00/04414
<151> 2000-02-22

<160> 20

<210> 1
<211> 2137
<212> DNA
<213> Homo sapiens

<400> 1

Patent Docket P1219P3

gctcccagcc aagaacctcg gggccgctgc gcggtgggga ggagttcccc 50
gaaacccggc cgctaagcga ggcctcctcc tcccgagat ccgaacggcc 100
tgggcgggggt caccgccggt gggacaagaa gccgccgcct gcctgcccgg 150
gcccggggag ggggctgggg ctggggccgg aggcgggggtg tgagtgggtg 200
tgtgcggggg gcggaggctt gatgcaatcc cgataagaaa tgctcgggtg 250
tcttgggcac ctaccgtgg gggccgtaag gcgctactat ataaggctgc 300
cggcccggag ccgccgcgc gtcagagcag gagcgctgcg tccaggatct 350
agggccacga ccattcccaac ccggcactca cagccccgca gcgcatcccg 400
gtcgccgccc agcctcccg cccccatcg ccggagctgc gccgagagcc 450
ccaggagggt gccatgcgga gcgggtgtgt ggtggtccac gtatggatcc 500
tggccggcct ctggctggcc gtggccgggc gcccctcgc cttctcggac 550
gcggggcccc acgtgcaacta cggctggggc gaccccatcc gcctgcggca 600
cctgtacacc tccggcccc acgggctctc cagctgcttc ctgcgcatcc 650
gtgccgacgg cgtcgtggac tgcgcgcgg gccagagcgc gcacagtttg 700
ctggagatca aggcagtcgc tctgcggacc gtggccatca agggcggtga 750
cagcgtgcgg tacctctgca tgggcgccga cggcaagatg caggggctgc 800
ttcagtactc ggaggaagac tgtgctttcg aggaggagat ccgccagat 850
ggctacaatg tgtaccgatc cgagaagcac cgctcccg tctccctgag 900
cagtccaaa cagcggcagc tgtacaagaa cagaggcttt cttccactct 950
ctcatttcct gcccatgctg cccatggtcc cagaggagcc tgaggacctc 1000

aggggccact tggaatctga catgttctct tcgccctgg agaccgacag 1050
catggacca tttgggcttg tcaccggact ggaggccgtg aggagtcca 1100
gctttgagaa gtaactgaga ccatgcccgg gcctcttcac tgctgccagg 1150
ggctgtggta cctgcagcgt gggggacgtg cttctacaag aacagtcctg 1200
agtccacgtt ctgtttagct ttaggaagaa acatctagaa gttgtacata 1250
ttcagagttt tccattggca gtgccagttt ctagccaata gacttgtctg 1300
atcataacat tgtaagcctg tagcttgccc agctgctgcc tgggccccca 1350
ttctgctccc tcgagggtgc tggacaagct gctgcactgt ctcagttctg 1400

cttgaatacc tccatcgatg gggaactcac ttcctttgga aaaattctta 1450
 tgtcaagctg aaattctcta attttttctc atcacttccc caggagcagc 1500
 cagaagacag gcagtagttt taatttcagg aacaggtgat ccactctgta 1550
 aaacagcagg taaatttcac tcaaccccat gtgggaattg atctatatct 1600
 ctacttccag ggaccatttg cccttcccaa atccctccag gccagaactg 1650
 actggagcag gcatggccca ccaggcttca ggagtagggg aagcctggag 1700
 cccactcca gccctgggac aacttgagaa ttccccctga ggccagttct 1750
 gtcatggatg ctgtcctgag aataacttgc tgtcccgggtg tcacctgctt 1800
 ccatctccca gccaccagc cctctgccca cctcacatgc ctcccatgg 1850
 attggggcct ccaggcccc ccaccttatg tcaacctgca cttcttgttc 1900
 aaaaatcagg aaaagaaaag atttgaagac cccaagtctt gtcaataact 1950
 tgctgtgtgg aagcagcggg ggaagacctt gaaccctttc ccagcactt 2000
 ggttttccaa catgatattt atgagtaatt tattttgata tgtacatctc 2050
 ttattttctt acattattta tgcccccaaa ttatatattat gtatgtaagt 2100
 gaggtttggt ttgtatatta aaatggagtt tgtttgt 2137

<210> 2
 <211> 216
 <212> PRT
 <213> Homo sapiens

<400> 2
 Met Arg Ser Gly Cys Val Val Val His Val Trp Ile Leu Ala Gly
 1 5 10 15
 Leu Trp Leu Ala Val Ala Gly Arg Pro Leu Ala Phe Ser Asp Ala
 20 25 30
 Gly Pro His Val His Tyr Gly Trp Gly Asp Pro Ile Arg Leu Arg
 35 40 45
 His Leu Tyr Thr Ser Gly Pro His Gly Leu Ser Ser Cys Phe Leu
 50 55 60
 Arg Ile Arg Ala Asp Gly Val Val Asp Cys Ala Arg Gly Gln Ser
 65 70 75
 Ala His Ser Leu Leu Glu Ile Lys Ala Val Ala Leu Arg Thr Val
 80 85 90
 Ala Ile Lys Gly Val His Ser Val Arg Tyr Leu Cys Met Gly Ala
 95 100 105

Patent Docket P1219P3

Asp Gly Lys Met Gln Gly Leu Leu Gln Tyr Ser Glu Glu Asp Cys
 110 115 120

Ala Phe Glu Glu Glu Ile Arg Pro Asp Gly Tyr Asn Val Tyr Arg
 125 130 135

Ser Glu Lys His Arg Leu Pro Val Ser Leu Ser Ser Ala Lys Gln
 140 145 150

Arg Gln Leu Tyr Lys Asn Arg Gly Phe Leu Pro Leu Ser His Phe
 155 160 165

Leu Pro Met Leu Pro Met Val Pro Glu Glu Pro Glu Asp Leu Arg
 170 175 180

Gly His Leu Glu Ser Asp Met Phe Ser Ser Pro Leu Glu Thr Asp
 185 190 195

Ser Met Asp Pro Phe Gly Leu Val Thr Gly Leu Glu Ala Val Arg
 200 205 210

Ser Pro Ser Phe Glu Lys
 215

<210> 3
 <211> 26
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer_bind

<400> 3
 atccgcccag atggctacaa tgtgta 26

<210> 4
 <211> 22
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Primer_bind

<400> 4
 ccagtccggt gacaagccca aa 22

<210> 5
 <211> 42
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Synthetic oligonucleotide probe

<400> 5
 gcctcccggg ctccctgagc agtgccaaac agcggcagtg ta 42

Patent Docket P1219P3

<210> 6
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer_bind

<400> 6
ctccaacatg ccctatgcg 19

<210> 7
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer_bind

<400> 7
acgaagagca tcacaaggag g 21

<210> 8
<211> 30
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide probe

<400> 8
tgctctctc ctccgtctcc ttctaccttc 30

<210> 9
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer_bind

<400> 9
ctccgctctg cgacactaca 20

<210> 10
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer_bind

<400> 10
aatcagtgtc tcagggtg a 21

<210> 11

Patent Docket P1219P3

<211> 32
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide probe

<400> 11
caatctcatc accagacaga gatatggcaa ga 32

<210> 12
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer_bind

<400> 12
gctagatcca cagaaccgcg 20

<210> 13
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer_bind

<400> 13
agcaggactc gtgcagcct 19

<210> 14
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic Oligonucleotide probe

<400> 14
tctcgttctc cgcgtcgctg tgt 23

<210> 15
<211> 20
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer_bind

<400> 15
ggtgaagggtg taccccaacg 20

<210> 16
<211> 20

Patent Docket P1219P3

<212> DNA
<213> Artificial Sequence

<220>
<223> Primer_bind

<400> 16
ccttcagct ccctcttgaa 20

<210> 17
<211> 23
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide probe

<400> 17
agaacgagtc ggcggaggcc ttt 23

<210> 18
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer_bind

<400> 18
gattgctgtc ctcccaggc 19

<210> 19
<211> 19
<212> DNA
<213> Artificial Sequence

<220>
<223> Primer_bind

<400> 19
tggtcaaggt aatcgcccc 19

<210> 20
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic oligonucleotide probe

<400> 20
ccatccgccca gggtaccaac atga 24